

Work Experience

- **Tegra Software Intern, Nvidia** 2015
Administered a continuous integration server and implemented load-balancing, version control and install/update automation. Also, created a tool to pull and view device test metrics.
- **Software Engineering Intern, Qualcomm** 2014
Developed tools for tracking, scheduling and testing software builds with live notifications & intelligent lookups. See Awards.
- **Applications Engineer, Office of Indiana State Chemist** 2012 - 2014
Developed enterprise-level production-quality web-applications and offline technologies for use on the field, in the lab and at the office by officials of state agricultural administration. Helped build a cache-and-sync system for field-use.
- **Web Programmer, Oil India Limited** 2012
As a freelance programmer, developed an internal web-portal for Security Department facilitating intra-departmental logistics and communication.

Projects

- **Rovr**
A robot whose directional locomotion can be controlled by hand-gestures using a Myo Armband, by a Pebble Smartwatch, by an Android app, by a web-app, and also by texting. Uses Lego Mindstorms NXT kit, Node.js, ngrok, Twilio texting API, Pebble.js API.
- **CollabTube**
Web-app to make and view collaborative video-playlists; using YouTube JS API. Also comes with a Chrome extension that adds site-features directly on Youtube, scrapes data & sends to app. Backend: PHP on OpenShift, DB: MySQL.
- **Phony Stark**
Uses smartphone orientation (accelerometer via HTML5 DeviceOrientation) to manipulate 3D objects on-screen. Uses Node.js on Amazon AWS EC2, Web-sockets (socket.io), WebGL (three.js).
- **Who's That Friend**
Facebook-based game app- guess friends' pictures from comments, uses Facebook Graph API and PHP SDK. Running on Red Hat OpenShift DB: MySQL.
- **Medusa**
Visualizer for Java projects that shows class inheritances and references, and zooms into class-internals like members and methods. Written in Java, uses AWT and Swing API, JaPa parser and AST analyzer.

Education

Purdue University,
West Lafayette
Major: Computer Science
Minor: Sociology
GPA: 3.03
Graduation: Dec 2015

Awards

- Qualcomm **QualStar Hall of Fame award** (2014) for exceptional contribution.
- **International Informatics Olympiad** - 28th rank (international) [1st in state]
- **Unified Cyber Olympiad** - 55th national rank

Community

- Started an organization- **Free Knowledge Project**, a teaching community of people who believe in the freedom of knowledge.
- **University Place Tech Support**- helping the elderly with technology issues at a retirement home.
- Held leadership position at $\Phi\Sigma\P$, an honor fraternity for charity work and community service.